

Code No. 28039

**Anti-Human  
Rictor (R1291) Rabbit IgG Affinity Purify**

Volume : 100 µg

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**Introduction** : Rictor (rapamycin-insensitive companion of mTOR/ mAVO3) is about 200 kDa and identified as an mTOR-binding protein. Rictor is a factor that constitutes a complex with mLST8 and Sin 1 which is called mTORC2 (mTOR complex 2), and it is contrasted with raptor in mTORC1. It has a domain structure which is rather conserved over species, and these are thought to be necessary for formation of mTORC2 and binding to substrates, but then the details of their functions are not clear. Regulation of actin-cytoskeletal organization through mediation of Rho family (low molecular weight GTP-binding protein) and PKC $\alpha$ , and phosphorylation of hydrophobic motif site at the C-terminal of PKB/Akt have been reported as effects of mTORC2 including rictor.

**Antigen** : Synthetic peptide of a part of Human Rictor (GSSHTLPRRAQSLKA)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05% NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for western blotting in concentration of 1 - 3 µg /mL.  
: This antibody can be used for immuno-precipitation in concentration of 1 - 3 µg /mL.

**Reference** : 1. Oshiro N, Takahashi R, Yoshino K, Tanimura K, Nakashima A, Eguchi S, Miyamoto T, Hara K, Takehana K, Avruch J, Kikkawa U, Yonezawa K. The proline-rich Akt substrate of 40 kDa (PRAS40) is a physiological substrate of mammalian target of rapamycin complex 1. J Biol Chem. 2007 Jul 13;282(28):20329-39.